Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010020-3 **MAGERY NALYSIS** TAFF PHOTOGRAPHIC INTELLIGENCE REPORT VORONEZH AIRCRAFT ASSEMBLY VORONEZH, USSR **DECLASS REVIEW by NIMA/DOD** 25X1 CIA/PIR-75097 25X1 DATE MARCH 1967 COPY GROUP 1 Excluded from automatic grading and declassificat PAGES 6 Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010020-3

## **VORONEZH AIRCRAFT ASSEMBLY PLANT NO 64 VORONEZH, USSR**

Voronezh Aircraft Assembly Plant No 64 is located at 51-38-22N 039-15-20E approximately 2.5 nautical miles east-southeast of Voronezh, USSR (Figure 1). The plant is adjacent to Voronezh Airfield East 25X1 and is served by both major roads and rail spurs.

25X1

25X1

The plant area is surrounded by 25,230 linear feet of probable brick/masonry wall. Within the plant are 10,300 linear feet of hard surfaced roads, probably concrete, averaging 40 feet in width. There are 5,870 linear feet of rail spurs. The total plant floorspace and volume are 3,127,165 square feet and 100,107,300 cubic feet, respectively. The floorspace total, which differs from previous reports, includes the probable number of stories in the adminis-All preceding tration/engineering buildings. figures are to be considered as approximate, 1/ The earlier floorspace totals were either mensurated from relatively poor quality photography or did not include the floorspace in the multistoried administration/engineering buildings.

The plant is represented on photographs taken in (Figures 2, 3, and 4 respectively). All item numbers are keyed to Figure 5 and the associated table.

The aircraft assembly plant was constructed about 1935 and originally was designated Airframe Plant No 18. 2/The plant was dismantled and evacuated to Kuybyshev in the fall of 1941;

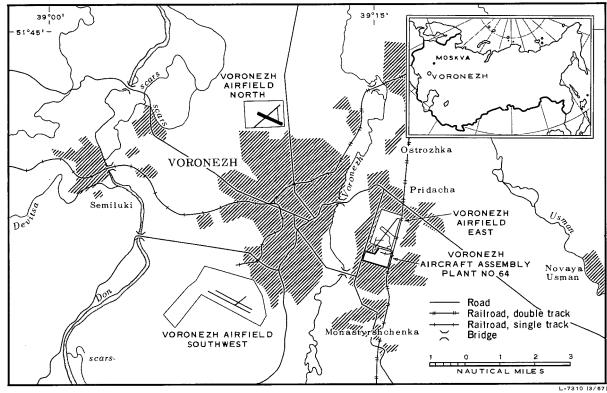


FIGURE 1. LOCATION MAP.

**25**X

25X1

25X1

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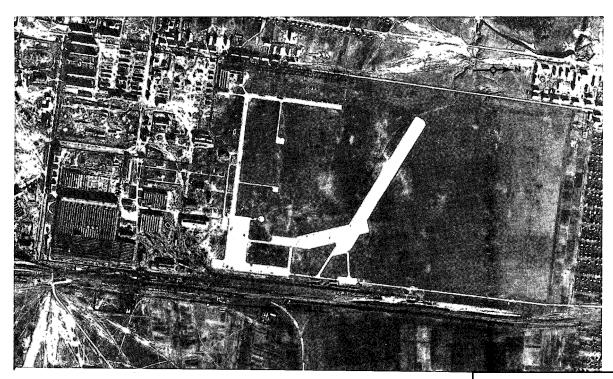






FIGURE 3. VORONEZH AIRCRAFT ASSEMBLY PLANT NO 64,

25X1

25X1

25X1

25X1

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25X1

25X1

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25X1

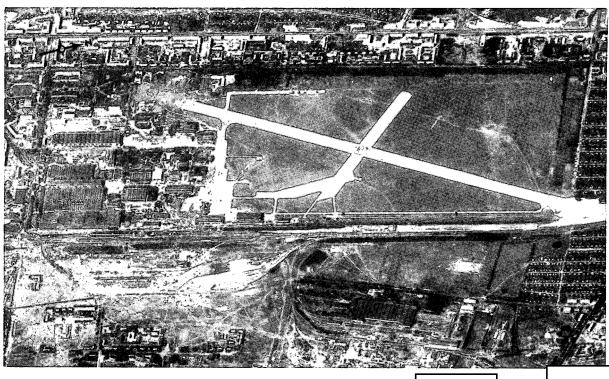


FIGURE 4. VORONEZH AIRCRAFT ASSEMBLY PLANT NO 64,

25X1

25X1

the workshops were destroyed by the retreating The plant was established as a repair base after its recapture by the Red Army in late it was reactivated, retooled with equipment, and redesignated as Plant No 64. 2/ Returning prisoners of war reported that reconstruction of the original plant site continued until as late

Buildings which appear to have been rebuilt between included the subassembly building/machine shop and probable foundry (item 6), an administration/engineering building (item 3), a workshop (item 27), and the southern portion of a workshop (item 23). Buildings which had been constructed during this period include an administration/engineering building (item 1), the final assembly building (item 10), a probable workshop/warehouse (item 24), and a workshop (item 25).

Additions to existing buildings completed in this period included the administration building and workshop (item 2), the subassembly building/machine shop and probable foundry (item 6), a storage/support building (item 9), a foundry (item 15), and a workshop (item 16).

Building construction between

included the workshops (items: 18, 33, and 35), the hangar-type building (item 20), a probable hangar (item 34), the administration and field control building (item 29), and the engineering building (item 30). A workshop (item 35) and the administration and field control building (item 29) were completed in A workshop (item 33) and the probable hangar (item 34) were completed during the summer of A workshop (item 18) appears to have been completed between

and an engineering building (item 30) was completed by The

25X1

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- 3 -

25X1	Approved For Release 2003/03/28:	CIA-RDP78T0516129901300010020-3 CIA/PIR-75097	25X1
25X1	hangar-type building was under construction as of hotography.	Voronezh Airfield East, which is adjacent to the plant, has two concrete runways and	
(1 <sup>25X1</sup>	An addition to the workshop and probable compressor building (item 22) was begun prior to and appeared complete prior to Additions to the subassembly building/machine shop and probable foundry (item 6), a machine shop (item 21), and the workshop/heat	serves as a test and flyaway field. The north-northeast/south-southwest runway measures approximately 7,210 by 230 feet; the northwest/southeast runway measures approximately 3,200 by 220 feet. Both runways are serviceable, but the northwest/southeast runway is probably	<u>ء</u> نر
<1 25X1 25X1	treatment building (item 31) were completed during the spring of The addition to the engineering building/workshop (item 11) appears to have been constructed between Northward expansion of the	used as a parking apron/taxiway. An extension on the north-northeast end of the main runway was started prior to	25X1 25X1
<1 <1 25X1	machine shop/workshop (item 8), which was constructed prior to was apparently planned because footings were present on photography; however, the addition was not complete until	area are 3,949,725 square feet of concrete taxiways, parking aprons, and runways. 1/ Aircraft observed at the flyaway field on included 2 FIDDLER, 1 CAMP, 1 CRATE, and 2 CAB.	] 25 25

CIA/PIR-75097

Railroad Road Wall Crane

25X1

1500 MPROVED SURFACE FEET (APPROXIMATE) 50 19 /\_28 VORONEZH AIRFIELD EAST **₽**[∷]27[] 25[} POSSIBLE TRANSFORMER YARD AIRCRÁFT TEST REVETMENT Indicates construction prior to Indicates construction changes between Indicates construction changes since Dimensions (ft) (see note)\* W Item Description (sq ft) Irregular x 40 Irregular x 20-60 Irregular x 40 165 x 20 x 10 280 x 40 x 25 Irregular x 30, 50 990 x 120 x 50 790 x 275 x 30 Irregular x 20 Admin/engineering bldg (3 story) Admin bldg and workshop (admin bldg is 2 story) 18,225 41,850 1,198,500 41,850 74,340 3,300 11,200 1,252,600 118,800 217,250 1,198,500 1,486,800 33,000 280,000 38,054,000 5,940,000 6,517,500 Admin/engineering bldg (3 story) Admin idea
Admin bidg
Warehouse & compressor bidg
Subassembly bidg/machine shop and prob foundry
Final assembly bidg
Machine shop/workshop
Storage/support bidg
Final assembly bidg
Final assembly bidg
Final assembly bidg
Engineering bidg/workshop (2 story)
Engineering bidg (3 story)
Engineering bidg (2 story)
Workshop/warehouse 790 x 275 x 30
Irregular x 40,
Irregular x 15, 20
Irregular x 30
Irregular x 10
Irregular x 10
Irregular x 10
Irregular x 40, 45\* 6,517,500 210,000 19,900,000 325,900 546,750 230,300 90,000 2,077,000 225,000 205,600 288,000 10,500 281,500 30,340 50,625 16,450 9,000 48,100 15,000 8,400 9,600 Workshop/warehouse Foundry Workshop 200 x 75 x 15 Irregular x 10, 160 x 60 x 30 410 x 155 x 25, 35\* 180 x 155 x 25 Irregular x 20, 40\* 325 x 80 x 20 Irregular x 15, 45 Irregular x 10, 35\* Workshop Workshop Machine shop Hangar-type bldg Machine shop Workshop & prob compressor bldg Workshop 9,600 63,550 27,900 103,700 26,000 40,000 28,000 1,687,150 697 500 2,259,000 520,000 1,440,000 552,000 Workshop
Prob workshop/warehouse
Workshop
Workshop
Workshop
Workshop
Workshop
Admin (3 story) & field control bldg
Engineering bldg (4 story)
Workshop/heat treatment bldg
Prob R&D shop
Workshop/Workshop Irregular x 10, 35\*
475 x 115 x
Irregular x 25
185 x 160 x 25\* 446.250 17,750 54,625 20,315 29,600 9,900 110,400 31,875 43,950 56,000 446,250 1,824,950 507,875 740,000 177,300 1,876,800 796,875 879,000 2,587,200 3,405,000 Workshop

FIGURE 5. LAYOUT OF VORONEZH AIRCRAFT ASSEMBLY PLANT NO 64.

NOTE-With the exception of those heights marked with an asterisk (\*), all measurements were calculated by NPIC/TID; these measurements are accurate

205 x 90 x 10, 40

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25X1

Total floorspace and cubic feet of numbered buildings Total floorspace and cubic feet of other buildings Total floorspace and cubic feet of plant

Height calculated by CIA/IAS project analyst.

584.250

98,832,500 1,274,800

100,107,300

78,900

18,450

2,977,995 74,830

3,127,165

25X1

25X1

25X1

25X1

25X

25X1

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MAPS OR CHARTS			
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